

Andreas Stracke

1) General information

- Stracke, Andreas, Ph.D, 11/04/1971, male
- Institut für Mineralogie, Westfälische Wilhelms-Universität Münster, Corrensstr. 24, D-48149 Münster, Tel.: +49 251 83 33487, e-mail: stracke.andreas@uni-muenster.de
- Current position: Professor (W3)

2) Academic education and degrees

- Graduate studies (1997-2011), Florida State University, Tallahassee, Florida, USA
- Mineralogy (1996- 1996), University of Tübingen, Germany, Diploma (Prof. Dr. Ernst Hegner)

3) Scientific degrees

- Habilitation, Geochemistry, ETH Zürich, 2009 (Prof. Dr. B. Bourdon)
- Doctoral degree: Ph.D, Geochemistry, Florida State University, Tallahassee, Florida (2001) (Prof. Alan Zindler)

4) Professional experience

- Since 2010, Professor, Geochemistry, Westfälische Wilhelms-Universität, Institut für Mineralogie, Münster, Germany
- 2006 - 2010: Lecturer (Oberassistent), ETH Zürich, Switzerland
- 2004 - 2006: Research Scientist, MPI Mainz, Germany (funded by DFG)
- 2003 - 2008: Post -Doctoral fellow, MPI Mainz, Germany.
- 2002 - 2002: Post-Doc, Cambridge University, UK.
- 1997 - 2011: Research Assistant, Florida State University, USA

5) Professional activities

- Convener of 11 sessions at international conferences (Goldschmidt, EGU, AGU) between 1999 and 2014.
- Associate editor for *Geochimica Cosmochimica Acta* (since 2013)
- Reviewer for international scientific journals: *Nature*, *Science*, *Earth and Planetary Science Letters*, *Geochimica et Cosmochimica Acta*, *Chemical Geology*, *Journal of Petrology*, *Contributions to Mineralogy and Petrology*, *Geochemistry*, *Geophysics*, *Geosystems (G3)*, *Gondwana Research*, *Journal of Geodynamics*, *Journal of Volcanology*, and *Geothermal Research, Mineralogy and Petrology*
- Reviewer of grant proposals for NSF; DFG, NERC, ARC, ANR
- Member of DMG, AGU, EAG

6) Publications

Published or accepted peer-reviewed publications, book chapters, etc.

Stracke, A., (2012): Earth's heterogeneous mantle: A product of convection-driven interaction between crust and mantle, *Chem. Geol.* 330-331, 274-299.

Stracke, A., Palme, H., Gellissen, M., Kleine, T., Birbaum, K., Günther, D., Bourdon, B., and Zipfel, J.: (2012): Refractory element fractionation in the Allende meteorite: Implications for solar nebula condensation and the chondritic composition of planetary bodies. *Geochim. Cosmochim. Acta*, 85, 114-141.

Stracke, A., Snow, J.E., Hellebrand, E., von der Handt, A., Bourdon, B., Birbaum, B., and Günther, D. (2011): Abyssal peridotite Hf isotopes identify extreme mantle depletion. *Earth Plan. Sci. Lett.*, 308, 359-368.

Stracke, A. Bourdon, B. (2009): The importance of melt extraction for tracing mantle heterogeneity. *Geochim. Cosmochim. Acta* 73, 218-238.

Pfänder, J.A., Münker, C., Stracke, A., Mezger, K. (2007): Nb/Ta and Zr/Hf in ocean island basalts – Implications for crust–mantle differentiation and the fate of Niobium, *Earth Planet. Sci. Lett.* , 254, 158-172.

Stracke, A., Hofmann, A.W., and Hart, S.R. (2005): FOZO, HIMU and the rest of the mantle zoo, *Geochem., Geophys., Geosys.* 6, Q05007, doi:10.1029/2004GC000824.

Salters, V.J.M., and Stracke, A.. (2004): Composition of the depleted mantle. *Geochem., Geophys., Geosys.* 5 Q05004, doi:10.1029/2003GC000597.

- Stracke, A., Zindler, A., Salters, McKenzie, D., and V.J.M., Blichert-Toft, J., Albarède, F., Grönvold, K. (2003): Theistareykir revisited, *Geochem., Geophys., Geosys.*, Vol 4, Q8507. doi:10.1029/2001GC000201.
- Stracke, A., Bizimis, M., and Salters, V.J.M., (2003): Recycling of oceanic crust: quantitative constraints. *Geochem., Geophys., Geosys.*, Vol. 4, Q8003, doi:10.1029 / 2001GC000223.
- Willbold, M. and Stracke, A. (2006): Trace element composition of mantle end-members: Implications for recycling of oceanic and upper and lower continental crust, *Geochem. Geophys. Geosys.* 7, Q04004, doi:10.1029/2005GC001005.